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**METHOD AND SYSTEM FOR CACHE MANAGEMENT**  
**ALGORITHM SELECTION**

**Abstract of the Disclosure**

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In a data storage device, a system of method of optimizing cache management. A method includes selecting a set of cache management algorithms associated with a predetermined pattern in a sequence of commands. Statistics based on a sequence of commands are gathered and a pattern is detected from the statistics. The pattern is associated with predetermined known patterns to identify a set of cache management algorithms that are optimized for the known pattern. A system includes usage statistics that are correlated among a set of known usage patterns. A switch chooses the set of cache management algorithms associated with the known pattern that most closely matches the usage statistics.

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